



-1-

SEQUENCE LISTING

~~115~~
<110> Reed, Guy L.

<120> Composition and Method for Enhancing Fibrinolysis

<130> 0609.4320003

<140> 09/977,283

<141> 2001-10-16

<150> 08/934,000

<151> 1997-09-19

<150> 60/026,356

<151> 1996-09-20

<160> 81

<170> PatentIn version 3.1

<210> 1

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> May be any Amino Acid

<400> 1

Xaa Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val
1 5 10 15

<210> 2

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 2

Asp Ile Gln Met Thr
1 5

<210> 3

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> May be any Amino Acid

<400> 3

Xaa Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val

1

5

10

15

<210> 4

<211> 381

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> CDS

<222> (1) .. (381)

<223>

<220>

<221> sig_peptide

<222> (1) .. (60)

<223>

<220>

<221> MISC_FEATURE

<222> (-12) .. (-12)

<223> May be either Gly or Ala

<400> 4

atg agt gtg ctc act cag gtc ctg gsg ttg ctg ctg ctg tgg ctt aca
Met Ser Val Leu Thr Gln Val Leu Xaa Leu Leu Leu Leu Trp Leu Thr
-20 -15 -10 -5

48

ggt gcc aga tgt gac atc cag atg act cag tct cca gcc tcc cta tct
Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser
1 5 10

96

gca tct gtg gga gaa act gtc acc atc aca tgt cga gca agt ggg aat
Ala Ser Val Gly Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Gly Asn
15 20 25

144

att cac aat tat tta gca tgg tat cag cag aaa cag gga aaa tct cct	192
Ile His Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro	
30 35 40	
cag ctc ctg gtc tat aat gca aaa acc tta gca gat ggt gtg cca tca	240
Gln Leu Leu Val Tyr Asn Ala Lys Thr Leu Ala Asp Gly Val Pro Ser	
45 50 55 60	
agg ttc agt ggc agt gga tca gga aca caa ttt tct ctc agg atc aac	288
Arg Phe Ser Gly Ser Gly Ser Gly Thr Gln Phe Ser Leu Arg Ile Asn	
65 70 75	
agc ctg cag cct gaa gat ttt ggg agt cat tac tgt caa cat ttt tgg	336
Ser Leu Gln Pro Glu Asp Phe Gly Ser His Tyr Cys Gln His Phe Trp	
80 85 90	
acc act ccg tgg acg ttc ggt gga ggc acc aag ctg gaa atc aaa	381
Thr Thr Pro Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys	
95 100 105	

<210> 5

<211> 127

<212> PRT

<213> Artificial Sequence

<220>.

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (-12)..(-12)

<223> May be either Gly or Ala

<400> 5

Met Ser Val Leu Thr Gln Val Leu Xaa Leu Leu Leu Leu Trp Leu Thr
-20 -15 -10 -5

Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser
1 5 10

Ala Ser Val Gly Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Gly Asn
15 20 25

Ile His Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro
30 35 40

Gln Leu Leu Val Tyr Asn Ala Lys Thr Leu Ala Asp Gly Val Pro Ser
45 50 55 60

Arg Phe Ser Gly Ser Gly Thr Gln Phe Ser Leu Arg Ile Asn
65 70 75

Ser Leu Gln Pro Glu Asp Phe Gly Ser His Tyr Cys Gln His Phe Trp
80 85 90

Thr Thr Pro Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys
95 100 105

<210> 6

<211> 381

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> CDS

<222> (1)..(381)

<223>

<220>

<221> sig_peptide

<222> (1)..(60)

<223>

<400> 6

atg agt gtg ctc act cag gtc ctg ggg ttg ctg ctg ctg tgg ctt aca
Met Ser Val Leu Thr Gln Val Leu Gly Leu Leu Leu Leu Trp Leu Thr
-20 -15 -10 -5

ggt gcc aga tgt gac atc cag atg act cag tct cca gcc tcc cta tct	96
Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser	
1 5 10	
gca tct gtg gga gaa act gtc acc gtc aca tgt cga gca agt ggg aat	144
Ala Ser Val Gly Glu Thr Val Thr Val Thr Cys Arg Ala Ser Gly Asn	
15 20 25	
att cac aat tat tta gca tgg tat cag cag aaa cag gga aaa tct cct	192
Ile His Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro	
30 35 40	
cag ctc ctg gtc tat aat gca aga acc tta gca gat ggt gtg cca tca	240
Gln Leu Leu Val Tyr Asn Ala Arg Thr Leu Ala Asp Gly Val Pro Ser	
45 50 55 60	
agg ttc agt ggc agt gga tca gga aca caa tat tct ctc aag atc aac	288
Arg Phe Ser Gly Ser Gly Thr Gln Tyr Ser Leu Lys Ile Asn	
65 70 75	
agc ctg cag cct gaa gat ttt ggg agt tat tac tgt caa cat ttt tgg	336
Ser Leu Gln Pro Glu Asp Phe Gly Ser Tyr Tyr Cys Gln His Phe Trp	
80 85 90	
agt aat ccg tgg acg ttc ggt gga ggc acc aag ctg gaa atc aaa	381
Ser Asn Pro Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys	
95 100 105	

<210> 7

<211> 127

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 7

Met Ser Val Leu Thr Gln Val Leu Gly Leu Leu Leu Leu Trp Leu Thr	
-20 -15 -10 -5	

Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser	
1 5 10	

Ala Ser Val Gly Glu Thr Val Thr Val Thr Cys Arg Ala Ser Gly Asn	
15 20 25	

Ile His Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro	
30 35 40	

Gln Leu Leu Val Tyr Asn Ala Arg Thr Leu Ala Asp Gly Val Pro Ser
45 50 55 60

Arg Phe Ser Gly Ser Gly Thr Gln Tyr Ser Leu Lys Ile Asn
65 70 75

Ser Leu Gln Pro Glu Asp Phe Gly Ser Tyr Tyr Cys Gln His Phe Trp
80 85 90

Ser Asn Pro Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys
95 100 105

<210> 8

<211> 381

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> CDS

<222> (1)..(381)

<223>

<220>

<221> sig_peptide

<222> (1)..(60)

<223>

<400> 8

atg agt gtg ctc act cag gtc ctg gcg ttg ctg ctg ctg tgg ctt aca
Met Ser Val Leu Thr Gln Val Leu Ala Leu Leu Leu Leu Trp Leu Thr
-20 -15 -10 -5

48

ggt gcc aga tgt gac atc cag atg act cag tct cca gcc tcc cta tct
Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser

96

	1	5	10	
gca tct gtg gga gaa act gtc acc atc aca tgt cga gca agt ggg aat				144
Ala Ser Val Gly Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Gly Asn				
15	20	25		
att cac aat tat tta gca tgg tat cag cag aaa cag gga aaa tct cct				192
Ile His Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro				
30	35	40		
caa ctc ctg gtc tat aat gca aaa acc tta gca gat ggt gtg cca tca				240
Gln Leu Leu Val Tyr Asn Ala Lys Thr Leu Ala Asp Gly Val Pro Ser				
45	50	55	60	
agg ttc agt ggc agt gga tca gga aca caa ttt tct ctc aag atc aac				288
Arg Phe Ser Gly Ser Gly Thr Gln Phe Ser Leu Lys Ile Asn				
65	70	75		
agc ctg cag cct gaa gat ttt ggg agt cat tac tgt caa cat ttt tgg				336
Ser Leu Gln Pro Glu Asp Phe Gly Ser His Tyr Cys Gln His Phe Trp				
80	85	90		
acc act ccg tgg acg ttc ggt gga ggc acc aag ctg gaa atc aaa				381
Thr Thr Pro Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys				
95	100	105		

<210> 9

<211> 127

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 9

Met Ser Val Leu Thr Gln Val Leu Ala Leu Leu Leu Leu Trp Leu Thr			
-20	-15	-10	-5

Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser			
1	5	10	

Ala Ser Val Gly Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Gly Asn			
15	20	25	

Ile His Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro			
30	35	40	

Gln Leu Leu Val Tyr Asn Ala Lys Thr Leu Ala Asp Gly Val Pro Ser
45 50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Gln Phe Ser Leu Lys Ile Asn
65 70 75

Ser Leu Gln Pro Glu Asp Phe Gly Ser His Tyr Cys Gln His Phe Trp
80 85 90

Thr Thr Pro Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys
95 100 105

<210> 10

<211> 414

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> CDS

<222> (1)..(414)

<223>

<220>

<221> sig_peptide

<222> (1)..(57)

<223>

<220>

<221> MISC_FEATURE

<222> (-18)..(-18)

<223> May be either Asp or Ala

<220>

<221> MISC_FEATURE

<222> (-14)..(-14)

<223> May be either Asn or Thr

<400> 10			
atg gmt tgg gtg tgg amc ttg cta ttc ctg atg gca gct gcc caa agt			48
Met Xaa Trp Val Trp Xaa Leu Leu Phe Leu Met Ala Ala Ala Gln Ser			
-15	-10	-5	
ctc caa gca cag atc cag ttg gtg cag tct gga cct gag ctg aag aag			96
Leu Gln Ala Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys			
1	5	10	
cct gga gaa aca gtc aag atc tcc tgc aag gcc tct ggg tat acc ttc			144
Pro Gly Glu Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe			
15	20	25	
aca aac tat gga atg aac tgg gtg aag cag gct cca gga aag ggt tta			192
Thr Asn Tyr Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu			
30	35	40	45
aag tgg atg ggc tgg ata aac acc aag agt gga gag cca aca tat gct			240
Lys Trp Met Gly Trp Ile Asn Thr Lys Ser Gly Glu Pro Thr Tyr Ala			
50	55	60	
gaa gag ttc aag gga cgg ttt gtc ttc tct ttg gaa acc tct gcc agc			288
Glu Glu Phe Lys Gly Arg Phe Val Phe Ser Leu Glu Thr Ser Ala Ser			
65	70	75	
act gcc cat ttg cag atc aag aat ttc aga aat gag gac acg gct aca			336
Thr Ala His Leu Gln Ile Lys Asn Phe Arg Asn Glu Asp Thr Ala Thr			
80	85	90	
tat ttc tgt gca aga tgg gta cct ggg acc tat gct atg gac tac tgg			384
Tyr Phe Cys Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp			
95	100	105	
ggt caa gga acc tca gtc acc gtc tcc tca			414
Gly Gln Gly Thr Ser Val Thr Val Ser Ser			
110	115		

<210> 11

<211> 138

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (-18) .. (-18)

<223> May be either Asp or Ala

<220>

<221> MISC_FEATURE

<222> (-14) .. (-14)

<223> May be either Asn or Thr

<400> 11

Met Xaa Trp Val Trp Xaa Leu Leu Phe Leu Met Ala Ala Ala Gln Ser
-15 -10 -5

Leu Gln Ala Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys
1 5 10

Pro Gly Glu Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe
15 20 25

Thr Asn Tyr Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu
30 35 40 45

Lys Trp Met Gly Trp Ile Asn Thr Lys Ser Gly Glu Pro Thr Tyr Ala
50 55 60

Glu Glu Phe Lys Gly Arg Phe Val Phe Ser Leu Glu Thr Ser Ala Ser
65 70 75

Thr Ala His Leu Gln Ile Lys Asn Phe Arg Asn Glu Asp Thr Ala Thr
80 85 90

Tyr Phe Cys Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp
95 100 105

Gly Gln Gly Thr Ser Val Thr Val Ser Ser
110 115

<210> 12

<211> 414
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<220>
<221> CDS
<222> (1)..(414)
<223>

```
<220>
<221>  sig_peptide
<222>  (1)..(57)
<223>
```

<220>
<221> MISC_FEATURE
<222> (-18) .. (-18)
<223> May be either Asp or Ala

<220>
<221> MISC_FEATURE
<222> (-14) .. (-14)
<223> May be either Asn or Thr

```

<400> 12
atg gmt tgg gtg tgg amc ttg cta ttc ctg atg gca gct gcc caa agt 48
Met Xaa Trp Val Trp Xaa Leu Leu Phe Leu Met Ala Ala Ala Gln Ser
                     -15          -10          -5
atc caa gca cag atc cag ttg gtg cag tct gga cct gag ctg aag aag 96
Ile Gln Ala Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys
                     1          5          10
cct gga gag aca gtc aag atc tcc tgc aag gct tct ggg tat acc ttc 144

```

Pro Gly Glu Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe			
15	20	25	
aca aag tat gga atg aac tgg gtg aag cag qct cca gga aag ggt tta		192	
Thr Lys Tyr Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu			
30	35	40	45
aag tgg atg ggc tgg ata aac acc aac agt gga gag cca aca tat gct		240	
Lys Trp Met Gly Trp Ile Asn Thr Asn Ser Gly Glu Pro Thr Tyr Ala			
50	55	60	
gaa gag ttc aag gga cgg ttt gcc ttc tct ttg gaa acc tct gcc agc		288	
Glu Glu Phe Lys Gly Arg Phe Ala Phe Ser Leu Glu Thr Ser Ala Ser			
65	70	75	
act gcc tat ttg cag atc aac aac ctc aaa aat gag gac tcg gct aca		336	
Thr Ala Tyr Leu Gln Ile Asn Asn Leu Lys Asn Glu Asp Ser Ala Thr			
80	85	90	
tat ttc tgt gca aga tgg gta cct ggg acc tat gct atg gac tac tgg		384	
Tyr Phe Cys Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp			
95	100	105	
ggt caa gga acc tca gtc acc gtc tcc tca		414	
Gly Gln Gly Thr Ser Val Thr Val Ser Ser			
110	115		

<210> 13

<211> 138

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (-18)..(-18)

<223> May be either Asp or Ala

<220>

<221> MISC_FEATURE

<222> (-14)..(-14)

<223> May be either Asn or Thr

<400> 13

Met Xaa Trp Val Trp Xaa Leu Leu Phe Leu Met Ala Ala Ala Gln Ser
-15 -10 -5

Ile Gln Ala Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys
1 5 10

Pro Gly Glu Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe
15 20 25

Thr Lys Tyr Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu
30 35 40 45

Lys Trp Met Gly Trp Ile Asn Thr Asn Ser Gly Glu Pro Thr Tyr Ala
50 55 60

Glu Glu Phe Lys Gly Arg Phe Ala Phe Ser Leu Glu Thr Ser Ala Ser
65 70 75

Thr Ala Tyr Leu Gln Ile Asn Asn Leu Lys Asn Glu Asp Ser Ala Thr
80 85 90

Tyr Phe Cys Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp
95 100 105

Gly Gln Gly Thr Ser Val Thr Val Ser Ser
110 115

<210> 14

<211> 414

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> CDS

<222> (1)...(414)

<223>

<220>

<221> sig peptide

<222> (1) .. (57)

<223>

<220>

<221> MISC FEATURE

<222> (-18) . . (-18)

<223> May be either Asp or Ala

<220>

<221> MISC FEATURE

$\langle 222 \rangle \quad (-14) \dots (-14)$

<223> May be either Asn or Thr

<400> 14

atg gmt tgg gtg tgg amc ttg cta ttc ctg atg gca gct gcc caa agt
 Met Xaa Trp Val Trp Xaa Leu Leu Phe Leu Met Ala Ala Ala Gln Ser
 -15 -10 -5

48

atc caa gca cag atc cag ttg gtg cag tct gga cct gag ctg aag aag
Ile Gln Ala Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys
1. 5 10

96

```

cct gga gaa aca gtc aag atc tcc tgc aag gct tct ggg tat acc ttc
Pro Gly Glu Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe
          15          20          25

```

144

```

aca aac tat gga atg aac tgg gtg aag cag gct cca gga aag ggt tta
Thr Asn Tyr Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu
 30          35          40          45

```

192

aag tgg atg ggc tgg ata aac acc aag agt gga gag cca aca tat gct
Lys Trp Met Gly Trp Ile Asn Thr Lys Ser Gly Glu Pro Thr Tyr Ala
50 55 60

240

gaa gag ttc aag gga cg⁶⁵ ttt gcc ttc tct ttg gaa acc tct gcc agc
Glu Glu Phe Lys Gly Arg Phe Ala Phe Ser Leu Glu Thr Ser Ala Ser
65 70 75

288

act gcc aat ttg cag atc aag aac ctc aaa aat gag gac acg gct aca
Thr Ala Asn Leu Gln Ile Lys Asn Leu Lys Asn Glu Asp Thr Ala Thr
80 85 90

tat ttc tgt gca aga tgg gta cct ggg acc tat gcc atg gac tac tgg 384
Tyr Phe Cys Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp
95 100 105

ggt caa gga acc tca gtc acc gtc tcc tca 414
Gly Gln Gly Thr Ser Val Thr Val Ser Ser
110 115

<210> 15

<211> 138

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (-18)..(-18)

<223> May be either Asp or Ala

<220>

<221> MISC_FEATURE

<222> (-14)..(-14)

<223> May be either Asn or Thr

<400> 15

Met Xaa Trp Val Trp Xaa Leu Leu Phe Leu Met Ala Ala Ala Gln Ser
-15 -10 -5

Ile Gln Ala Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys
1 5 10

Pro Gly Glu Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe
15 20 25

Thr Asn Tyr Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu

30

35

40

45

Lys Trp Met Gly Trp Ile Asn Thr Lys Ser Gly Glu Pro Thr Tyr Ala
50 55 60

Glu Glu Phe Lys Gly Arg Phe Ala Phe Ser, Leu Glu Thr Ser Ala Ser
65 70 75

Thr Ala Asn Leu Gln Ile Lys Asn Leu Lys Asn Glu Asp Thr Ala Thr
80 85 90

Tyr Phe Cys Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp
95 100 105

Gly Gln Gly Thr Ser Val Thr Val Ser Ser
110 115

<210> 16

<211> 411

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> CDS

<222> (31)..(411)

<223>

<220>

<221> sig_peptide

<222> (31)..(90)

<223>

<400> 16

atttaaattt atatctcctt aggtctcgag atg agt gtg ctc act cag gtc ctg
Met Ser Val Leu Thr Gln Val Leu
-20 -15

54

gcg ttg ctg ctg ctg tgg ctt aca ggt gcc aga tgt gac atc cag atg Ala Leu Leu Leu Leu Trp Leu Thr Gly Ala Arg Cys Asp Ile Gln Met	102		
-10	-5	1	
act cag tct cca tcc tcc cta tct gca tct gtg gga gac aga gtc acc Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr	150		
5	10	15	20
atc aca tgt cga gca agt ggg aat att cac aat tat tta gca tgg tat Ile Thr Cys Arg Ala Ser Gly Asn Ile His Asn Tyr Leu Ala Trp Tyr	198		
25	30	35	
cag cag aaa cag gga aaa tct cct caa ctc ctg gtc tat aat gca aaa Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val Tyr Asn Ala Lys	246		
40	45	50	
acc tta gca agt ggt gtg cca tca agg ttc agt ggc agt gga tca gga Thr Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly	294		
55	60	65	
aca gat ttt act ctc acc atc agc agc ctg cag cct gaa gat ttt ggg Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Gly	342		
70	75	80	
agt cat tac tgt caa cat ttt tgg acc act ccg tgg acg ttc ggt gga Ser His Tyr Cys Gln His Phe Trp Thr Thr Pro Trp Thr Phe Gly Gly	390		
85	90	95	100
ggc acc aag ctg gaa atc aaa Gly Thr Lys Leu Glu Ile Lys	411		
105			

<210> 17

<211> 127

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 17

Met Ser Val Leu Thr Gln Val Leu Ala Leu Leu Leu Leu Trp Leu Thr			
-20	-15	-10	-5

Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser		
1	5	10

Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gly Asn

15	20	25
Ile His Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro		
30	35	40
Gln Leu Leu Val Tyr Asn Ala Lys Thr Leu Ala Ser Gly Val Pro Ser		
45	50	55
Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser		
65	70	75
Ser Leu Gln Pro Glu Asp Phe Gly Ser His Tyr Cys Gln His Phe Trp		
80	85	90
Thr Thr Pro Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys		
95	100	105

<210> 18
<211> 417
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<220>
<221> CDS
<222> (1)..(417)
<223>

<220>
<221> sig_peptide
<222> (1)..(60)
<223>

<400> 18
atg agt gtg ctc act cag gtc ctg gcg ttg ctg ctg ctg tgg ctt aca

Met Ser Val Leu Thr Gln Val Leu Ala Leu Leu Leu Leu Trp Leu Thr			
-20	-15	-10	-5
ggt gcc aga tgt cag atc cag ttg gtg cag tct gga tct gag ctg aag			96
Gly Ala Arg Cys Gln Ile Gln Leu Val Gln Ser Gly Ser Glu Leu Lys			
1	5	10	
aag cct gga gcc tca gtc aag atc tcc tgc aag gct tct ggg tat acc			144
Lys Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr			
15	20	25	
ttc aca aac tat gga atg aac tgg gtg cga cag gct cca gga caa ggt			192
Phe Thr Asn Tyr Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly			
30	35	40	
tta gag tgg atg ggc tgg ata aac acc aag agt gga gag cca aca tat			240
Leu Glu Trp Met Gly Trp Ile Asn Thr Lys Ser Gly Glu Pro Thr Tyr			
45	50	55	60
gct gaa gag ttc aag gga cgg ttt gtc ttc tct ttg gac acc tct gtc			288
Ala Glu Glu Phe Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val			
65	70	75	
acc act gcc tat ttg cag atc agc agc ctc aaa gct gag gac acg gct			336
Thr Thr Ala Tyr Leu Gln Ile Ser Ser Leu Lys Ala Glu Asp Thr Ala			
80	85	90	
gtg tat ttc tgt gca aga tgg gta cct ggg acc tat gcc atg gac tac			384
Val Tyr Phe Cys Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr			
95	100	105	
tgg ggt caa gga acc acg gtc acc gtc tcc tca			417
Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser			
110	115		

<210> 19

<211> 139

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 19

Met Ser Val Leu Thr Gln Val Leu Ala Leu Leu Leu Leu Trp Leu Thr			
-20	-15	-10	-5

Gly Ala Arg Cys Gln Ile Gln Leu Val Gln Ser Gly Ser Glu Leu Lys			
1	5	10	

Lys Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr
15 20 25

Phe Thr Asn Tyr Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly
30 35 40

Leu Glu Trp Met Gly Trp Ile Asn Thr Lys Ser Gly Glu Pro Thr Tyr
45 50 55 60

Ala Glu Glu Phe Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val
65 70 75

Thr Thr Ala Tyr Leu Gln Ile Ser Ser Leu Lys Ala Glu Asp Thr Ala
80 85 90

Val Tyr Phe Cys Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr
95 100 105

Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
110 115

<210> 20

<211> 447

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> CDS

<222> (31)..(447)

<223>

<220>

<221> sig_peptide

<222> (31)..(90)

<223>

<400> 20	cgattggaat tcttgccggcc gcttgcttagc atg agt gtg ctc act cag gtc ctg	54
	Met Ser Val Leu Thr Gln Val Leu	
	-20	-15
	gct ttg ctg ctg ctg tgg ctt aca ggt gcc aga tgt cag atc cag ttg	102
	Ala Leu Leu Leu Leu Trp Leu Thr Gly Ala Arg Cys Gln Ile Gln Leu	
	-10	-5
		1
	gtg cag tct gga gct gag gtg aag aag cct gga gcc tca gtc aag atc	150
	Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val Lys Ile	
	5	10
		15
		20
	tcc tgc aag gct tct ggg tat acc ttc aca aac tat gga atg aac tgg	198
	Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr Gly Met Asn Trp	
	25	30
		35
	gtg cga cag gct cca gga caa ggt tta gag tgg atg ggc tgg ata aac	246
	Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly Trp Ile Asn	
	40	45
		50
	acc aag agt gga gag cca aca tat gct gaa gag ttc aag gga cgg ttt	294
	Thr Lys Ser Gly Glu Pro Thr Tyr Ala Glu Glu Phe Lys Gly Arg Phe	
	55	60
		65
	acc ttc acc ttg gac acc tct acg agc act gcc tat ttg gag atc agg	342
	Thr Phe Thr Leu Asp Thr Ser Thr Ala Tyr Leu Glu Ile Arg	
	70	75
		80
	agc ctc aga tct gac gac acg gct gtg tat ttc tgt gca aga tgg gta	390
	Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys Ala Arg Trp Val	
	85	90
		95
		100
	cct ggg acc tat gcc atg gac tac tgg ggt caa gga acc acg gtc acc	438
	Pro Gly Thr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr	
	105	110
		115
	gtc tcc tca	447
	Val Ser Ser	

<210> 21

<211> 139

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 21

Met Ser Val Leu Thr Gln Val Leu Ala Leu Leu Leu Trp Leu Thr
-20 -15 -10 -5

Gly Ala Arg Cys Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys
1 5 10

Lys Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr
15 20 25

Phe Thr Asn Tyr Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly
30 35 40

Leu Glu Trp Met Gly Trp Ile Asn Thr Lys Ser Gly Glu Pro Thr Tyr
45 50 55 60

Ala Glu Glu Phe Lys Gly Arg Phe Thr Phe Thr Leu Asp Thr Ser Thr
65 70 75

Ser Thr Ala Tyr Leu Glu Ile Arg Ser Leu Arg Ser Asp Asp Thr Ala
80 85 90

Val Tyr Phe Cys Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr
95 100 105

Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
110 115

<210> 22

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (1)...(6)

<223> May be any Nucleotide

<400> 22
nnnnnngaat tcactggatg gtgggaagat gga 33

<210> 23

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (1)..(6)

<223> May be any Nucleotide

<400> 23
nnnnnngaat tcayctccac acacaggrc cagtggatag ac 42

<210> 24

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 24
actagtgcac atgagtgtgc tcactcaggt cctggsgttg 40

<210> 25

<211> 88

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 25

tagggagacc caagcttggc accaatttaa attgatatac ccttaggtct cgagtctcta 60
gataaccggc caatcgattt ggattctt 88

<210> 26

<211> 88

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 26

gacactatag aatagggccc ttccgcggc ggatccaaca cgtgaagcta gcaagcggcc 60
gcaagaattt caatcgattt accgggtt 88

<210> 27

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 27

gatctgctag cccgggtgac ctgaggcgcg cctttggcgcc c 41

<210> 28

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 28

gatcgccgc aaaggcgcg cgcaggcac ccgggctagc a

41

<210> 29

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 29

ccgggcctct caaaaaagg aaaaaaaagca tg

32

<210> 30

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 30

cttttttcc ctttttgag aggc

24

<210> 31

<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 31
cgcgcggct tcgaatagcc agagtaacct ttttttttaa ttttatttta ttttattttt 60
gagatggagt ttgg 74

<210> 32
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 32
cgccaaactc catctcaaaa ataaaataaa ataaaattaa aaaaaaaggt tactctggct 60
attcgaagcc gg 72

<210> 33
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 33
atcgatgcta gcaccaaggg ccca 24

<210> 34
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 34
ctcgaggggt caccacgctg ctga 24

<210> 35
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 35
aacagctatg accatgatta c 21

<210> 36
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 36
cacccagcct gtgcctgcct g 21

<210> 37
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 37
cgatttggaaat tcttgccggcc gcttgcttagc 30

<210> 38
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 38
cttgcggcccg cttgcttagca tggattgggt gtggaaacttg ctattcctga tggcagctgc 60
ccaaagtatac caagcacaga 80

<210> 39
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 39

cttgactgtt tctccaggct tcttcagctc aggtccagac tgcaccaact ggatctgtgc 60
ttggatactt tgggcagctg 80

<210> 40

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 40
ctgaagaagc ctggagaaac agtcaagatc tcctgcaagg cttctggta tacttcaca 60
aactatggaa tgaactgggt 80

<210> 41

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 41
tcttggtgtt tatccagccc atccacttta aaccctttcc tggagcctgc ttcacccagt 60
tcattccata gtttgtgaag 80

<210> 42

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 42
agtggatggg ctggataaac accaagagtg gagagccaaat atatgctgaa gagttcaagg 60
gacggtttgc cttcttttg 80

<210> 43

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 43
tcctcatttt tgaggttctt gatctgcaaa ttggcagtgc tggcagaggt ttccaaagag 60
aaggcaaacc gtcccttgaa 80

<210> 44

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 44
gcagatcaag aacctcaaaa atgaggacac ggctacatat ttctgtcaa gatgggtacc 60
tgggacctat gccatggact 80

<210> 45

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 45

tggcccttg gtgctagctg aggagacggt gactgagggt cttgacccc agtagtccat 60
ggcataggtc ccaggtaccc 80

<210> 46

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 46

ggaaagacgg atggccctt ggtgctagc 29

<210> 47

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 47

attaaattg atatctcctt aggtctcgag 30

<210> 48

<211> 79

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 48

atttaaattt atatctcctt aggtctcgag atgagtgtgc tcactcaggt cctggcgttg 60

ctgctgctgt ggcttacag 79

<210> 49

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 49

agatgcagat agggaggctg gagactgagt catctggatg tcacatctgg cacctgtaag 60

ccacagcagc agcaacgc 78

<210> 50

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 50

gtctccagcc tcccttatctg catctgtggg agaaaactgtc accatcacat gtcgagcaag 60

tggaaatatt cacaatta 78

<210> 51

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 51

tatagaccag gagctgagga gattttccct gtttctgctg ataccatgct aaataattgt 60

gaatattccc acttgctc 78

<210> 52

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 52

aaatctcctc agctcctggc ctataatgca aaaaccttag cagatggtgt gccatcaagg 60

ttcagtgccca gtggatca 78

<210> 53

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 53
ctccccaaaat cttcaggctg caggctgtt atcctgagag aaaattgtgt tcctgatcca 60
ctgccactga accttgat 78

<210> 54

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 54
gcctgcagcc tgaagatttt gggagtcatt actgtcaaca tttttggacc actccgtgga 60
cgttcggtgg aggcacca 78

<210> 55

<211> 81

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 55
ttccaatcga ttgaccgggtt atctagagac tcgagactta cgtttgattt ccagcttggt 60
gcctccaccg aacgtccacg g 81

<210> 56

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 56

tcgattgacc ggttatctag agactcgaga

30

<210> 57

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 57

cttgccggccg cttgctagca tgagtgtgct cactcaggc ctggcggtgc tgctgctgtg

60

gcttacaggt gccagatgtc

80

<210> 58

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 58

gactgaggct ccaggcttct tcagctcaga tccagactgc accaactgga tctgacatct

60

ggcacctgta agccacagca

80

<210> 59

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 59

gagctgaaga agcctggagc ctcagtcaag atctcctgca aggcttctgg gtataacctc 60

acaaaactatg gaatgaactg 80

<210> 60

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 60

tgggttttat ccagcccatc cactctaaac cttgtcctgg agcctgtcgc acccagttca 60

ttccatagtt tgtgaaggta 80

<210> 61

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 61

tagagtggat gggctggata aacaccaaga gtggagagcc aacatatgct gaagagttca 60

agggacggtt tgtcttctct 80

<210> 62

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 62
tcagcttga ggctgctgat ctgcaaatacg cagtgctga cagaggtgtc caaagagaag 60
acaaaccgtc ccttgaactc 80

<210> 63

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 63
tttcagatc agcagcctca aagctgagga cacggctgtg tatttctgtg caagatgggt 60
acctgggacc tatgccatgg 80

<210> 64

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 64
gcccttggtg ctagctgagg agacggtgac cgtggttcct tgaccccaagt agtccatggc 60
ataggtccca ggtacccatc 80

<210> 65

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 65
tgctgtggct tacaggtgcc agatgtcaga tccagttggc gcagtctgga gctgagggtga 60
agaagcctgg agcctcagtc 80

<210> 66

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 66
tagagtggat gggctggata aacacccaaga gtggagagcc aacatatgct gaagagttca 60
agggacggtt taccttcacc 80

<210> 67

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 67

tcagatctga ggctcctgat ctccaaatag gcagtgctcg tagaggtgtc caaggtgaag 60
gtaaaccggtc ccttgaactc 80

<210> 68

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 68

tttggagatc aggagcctca gatctgacga cacggctgtg tatttctgtg caagatgggt 60
acctgggacc tatgccatgg 80

<210> 69

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 69

agatgcagat agggaggatg gagactgagt catctggatg tcacatctgg cacctgttaag 60
ccacagcagc agcaacgc 78

<210> 70
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 70
gtctccatcc tccctatctg catctgtggg agacagagtc accatcacat gtcgagcaag 60
tggaaatatt cacaattha 78

<210> 71
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 71
aaatctcctc aactcctggc ctataatgca aaaaccttag caagtggtgt gccatcaagg 60
ttcagtgccatca gtggatca 78

<210> 72
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<400> 72
ctcccaaaat cttcaggctg caggctgctg atggtgagag taaaatctgt tcctgatcca 60
ctgccactga accttgat 78

<210> 73

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 73

Tyr Pro Arg Ser Ile Tyr Ile Arg Arg Arg His Pro Ser Pro Ser Leu
1 5 10 15

Thr Thr

<210> 74

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<400> 74

Gly Gly Ser Gly Ser Gly Gly Ser Gly Ser Gly Gly Ser Gly Ser
1 5 10 15

<210> 75

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (21) .. (21)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (52) .. (52)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (71) .. (71)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (74) .. (74)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (86) .. (86)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (93)..(93)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (94)..(94)

<223> May be any Amino Acid

<400> 75

Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Glu Thr Val Thr Xaa Thr Cys Arg Ala Ser Gly Asn Ile His Asn Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val
35 40 45

Tyr Asn Ala Xaa Thr Leu Ala Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Gln Xaa Ser Leu Xaa Ile Asn Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Gly Ser Xaa Tyr Cys Gln His Phe Trp Xaa Xaa Pro Trp
85 90 95

Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 76

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (74)..(74)

<223> May be any Amino Acid

<400> 76

Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Gly Asn Ile His Asn Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val
35 40 45

Tyr Asn Ala Lys Thr Leu Ala Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Gln Phe Ser Leu Xaa Ile Asn Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Gly Ser His Tyr Cys Gln His Phe Trp Thr Thr Pro Trp
85 90 95

Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 77

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (9)..(9)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (17) .. (17)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (18) .. (18)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (21) .. (21)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (52) .. (52)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (56) .. (56)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (70) .. (70)

<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (71)..(71)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (72)..(72)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (74)..(74)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (76)..(76)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (86)..(86)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (93)..(93)
<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (94)..(94)

<223> May be any Amino Acid

<400> 77

Asp Ile Gln Met Thr Gln Ser Pro Xaa Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Xaa Xaa Val Thr Xaa Thr Cys Arg Ala Ser Gly Asn Ile His Asn Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val
35 40 45

Tyr Asn Ala Xaa Thr Leu Ala Xaa Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Xaa Xaa Xaa Leu Xaa Ile Xaa Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Gly Ser Xaa Tyr Cys Gln His Phe Trp Xaa Xaa Pro Trp
85 90 95

Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 78

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (9)..(9)

<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (69)..(69)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (71)..(71)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (76)..(76)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (82)..(82)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (84)..(84)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (87) .. (87)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (88) .. (88)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (89) .. (89)
<223> May be any Amino Acid

<400> 78

Gln Ile Gln Leu Val Gln Ser Gly Xaa Glu Xaa Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Lys Ser Gly Glu Pro Thr Tyr Ala Glu Glu Phe
50 55 60

Lys Gly Arg Phe Xaa Phe Xaa Leu Asp Thr Ser Xaa Ser Thr Ala Tyr
65 70 75 80

Leu Xaa Ile Xaa Ser Leu Xaa Xaa Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
115

<210> 79
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody

<220>
<221> MISC_FEATURE
<222> (23)..(23)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (31)..(31)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (54)..(54)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (69)..(69)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE

<222> (80)..(80)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (84)..(84)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (86)..(86)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (87)..(87)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (91)..(91)

<223> May be any Amino Acid

<400> 79

Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys Pro Gly Glu
1 5 10 15

Thr Val Lys Ile Ser Cys Xaa Ala Ser Gly Tyr Thr Phe Thr Xaa Tyr
20 25 30

Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu Lys Trp Met
35 40 45

Gly Trp Ile Asn Thr Xaa Ser Gly Glu Pro Thr Tyr Ala Glu Glu Phe
50 55 60

Lys Gly Arg Phe Xaa Phe Ser Leu Glu Thr Ser Ala Ser Thr Ala Xaa
65 70 75 80

Leu Gln Ile Xaa Asn Xaa Xaa Asn Glu Asp Xaa Ala Thr Tyr Phe Cys
85 90 95

Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Ser Val Thr Val Ser Ser
115

<210> 80

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> Alpha-2 Antiplasmin Antibody

<220>

<221> MISC_FEATURE

<222> (23)..(23)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (69)..(69)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (80)..(80)

<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (86) .. (86)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (87) .. (87)
<223> May be any Amino Acid

<400> 80

Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys Pro Gly Glu
1 5 10 15

Thr Val Lys Ile Ser Cys Xaa Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu Lys Trp Met
35 40 45

Gly Trp Ile Asn Thr Lys Ser Gly Glu Pro Thr Tyr Ala Glu Glu Phe
50 55 60

Lys Gly Arg Phe Xaa Phe Ser Leu Glu Thr Ser Ala Ser Thr Ala Xaa
65 70 75 80

Leu Gln Ile Lys Asn Xaa Xaa Asn Glu Asp Thr Ala Thr Tyr Phe Cys
85 90 95

Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Ser Val Thr Val Ser Ser
115

<210> 81
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Alpha-2 Antiplasmin Antibody
<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (17)..(17)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (23)..(23)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (31)..(31)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (38) .. (38)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (43) .. (43)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (46) .. (46)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (54) .. (54)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (69) .. (69)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (71) .. (71)

<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (73) .. (73)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (76) .. (76)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (80) .. (80)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (82) .. (82)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (84) .. (89)
<223> May be any Amino Acid

<220>
<221> MISC_FEATURE
<222> (91) .. (91)
<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (93)..(93)

<223> May be any Amino Acid

<220>

<221> MISC_FEATURE

<222> (114)..(114)

<223> May be any Amino Acid

<400> 81

Gln Ile Gln Leu Val Gln Ser Gly Xaa Glu Xaa Lys Lys Pro Gly Xaa
1 5 10 15

Xaa Val Lys Ile Ser Cys Xaa Ala Ser Gly Tyr Thr Phe Thr Xaa Tyr
20 25 30

Gly Met Asn Trp Val Xaa Gln Ala Pro Gly Xaa Gly Leu Xaa Trp Met
35 40 45

Gly Trp Ile Asn Thr Xaa Ser Gly Glu Pro Thr Tyr Ala Glu Glu Phe
50 55 60

Lys Gly Arg Phe Xaa Phe Xaa Leu Xaa Thr Ser Xaa Ser Thr Ala Xaa
65 70 75 80

Leu Xaa Ile Xaa Xaa Xaa Xaa Xaa Asp Xaa Ala Xaa Tyr Phe Cys
85 90 95

Ala Arg Trp Val Pro Gly Thr Tyr Ala Met Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Xaa Val Thr Val Ser Ser
115